

Thank you for interested in our products, Here is our 2023 catalog.

We keep improve current machines and supply new products all the time, pls keep follow with us. Tks!



Zhaoqing City Greater Technology Co., Ltd focus on heater machines and heating element supplies.

Greater offer tubular heater machinery, cartridge heater machinery, hot runner heater machinery, industrial heater machinery, heater supplies, heater raw materials.

The machines and supplies include tube cutting machines, resistance wire winding machines, welding machines, plug with pin assembling machines, filling machines, feeding machines, reducing machines, trimming machine, anneal machines, bending machines, terminal pins, tube material for heating elements, ceramic beads, resistance wires, MGO rods, terminal pins, metal pcs, flanges etc.

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Tube Cutting Equipment



GT-ACT29
Auto Tube Cutting Machine



GT-CT15 (30)
Tube Cutting Machine

Auto Tube Cutting Machine GT-ACT29

★Description

Auto tube cutting machine use to cut tubes for heating elements autocratically. Mainly for heater production in large production. Suitable for copper pipes, iron pipes, stainless steel pipes, aluminum pipes, etc.

★Main details

1. Auto feeding, cutting, pipe breaking, and auto unload tubes.
2. Can cut two different length.
3. Only need to manual put the tubes on the rack, and take the finished cut tubes. One person can take care of several machines.
4. Quality pneumatic rotary chuck, to clamp the tube more stable.
5. With touch screen, easy operation.
6. Actions are controlled by time, easy to operate and less failure.
7. Tubes with few burrs after cutting.



Tube Cutting Machine GT-CT15 (30)

★Description

GT-CT15(30) tube cutting machines are semi auto tube cutting machine is designed to meet the requirements of many sizes and small quantity of pipes cutting (such as cartridge heaters). The machine suitable for copper pipes, iron pipes, stainless steel pipes, aluminum pipes, etc. We improved the machine with touch screen in 2023, more easy to debug the machine and use.

★Main models and technical parameters

model	Recommend diameter/length	productivity	Feeding speed	power	air supply	size	weight
GT-ACT29	Φ6-15mm; <4500 or 6000mm	5000- 10000pcs/8h	Max 100m/min (can be adjustable)	380V/50Hz/ 0.7Kw	0.5-0.7Mpa	8600*800*14 500mm	400Kg
GT-CT15 GT-CT30	Φ5-15mm; Φ5-30mm; Length no limit	5000- 10000pcs/8h	/	380V/50HZ/ 0.75KW	0.5-0.7Mpa	800*600*800 mm	180KG

Auto Coil Tube Straightening and Cutting Machine GT-ASCT19



GT-ASCT19
Auto Coil Tube
Straightening and Cutting
Machine



★Description

GT-ASCT19 Auto Coil Tube Straightening and Cutting Machine mainly for straighten the coil tube auto, and auto cut the tube according to the length need. Machine suitable for coil copper tube, aluminum tube to straight and cut.

★Main details

1. Suitable OD of tube: $\Phi 4\text{-}\Phi 19\text{mm}$;
2. Wall-thickness: 0.2-2.0mm;
3. Feeding speed: 0-60mm/min;
4. Cutting method: rotary cutting;
5. Min length to cut: 25mm;
6. Power supply: 3phase 380V, 50HZ or according to order;

Pneumatic Angle Tube Cutting Machine GT-CT-ANPN

★Description

GT-CT-ANPN Pneumatic Angle Tube Cutting Machine use to cut the tube in different angle, such as 45 degree;

★Main details

1. rotation angle: 45 degree;
2. air supply: clean compress air 0.6-0.8MPa;
3. machine with nice design and easy operation;



GT-CT-ANPN
Pneumatic Angle Tube Cutting Machine

Manual pipe Chamfering machine



★Description

Manual pipe chamfering machine use to chamfer the pipe after cut, to remove the burrs inside the pipe.

★Main details

1. Manual operation, easy work
2. Machine with small size

GT-DJ201
Chamfering machine

Semi Auto Tapering Machine

★Description

Semi Auto Tapering Machine use to make one end empty tube in cone shape, which use to measure temperature in water heater.

★Main details

1. Manual operation, easy work.
2. Machine with small size.



GT-LJ202
Semi Auto Tapering Machine

Straightening Equipment

Straightening Machine GT-TZ3B



GT-TZ3B
Straightening Machine

★Description

GT-TZ3B straightening machine is mainly used for straightening and repairing bent steel pipe during pipe-making.

★Main details

1. Min length to straighten: 450mm;
2. Diameter to straighten: recommend $\Phi 6$ - $\Phi 16$ mm can adjustable.
3. Mainly for empty tube straighten.

Straightening Machine GT-TZ14B

★Description

GT-TZ14B Straightening Machine mainly use to straighten heaters after shrink, or combine with shrinking machine to make a line.

★Main details

1. First 4 groups straighten horizontally and later 4 group for vertically.
2. Because the elements will not rotate in high speed during straighten, so after straighten, heater will not leak out powder, will not in different length.
3. Straighten speed can be adjust.
4. Diameter to straighten: recommend 4-10mm (one machine for one diameter)



GT-TZ14B
Straightening Machine

Straightening Machine GT-TZ10B

★Description

GT-TZ10B straightening machine install with 10 straighten rollers, which 5 rollers in one side. Each roller can move forward or back, left and right within a range.

★Main details

1. Tube is rotating and moving forward during straighten.
2. Min length to straighten: 400mm.
3. Diameter to straighten: Φ 6-12mm;



GT-TZ10B
Straightening Machine

Straightening Machine GT-TZJ05B



GT-TZJ05B
Straightening Machine

★Description

GT-TZJ05B Straightening Machine is improved machine for GT-TZ3B, TZ3B is with 3 group, GT-TZJ05B with 5 groups.

The machine can adjust diameter, and straighten speed.

Finished Sample

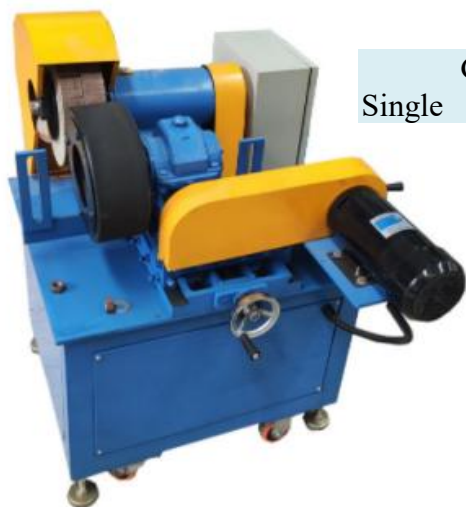


Before

After

Buffing Equipment

1-8 Group Buffing Machine



GT-PG30
Single buffing machine

★Description

GT-PG(1-8) group buffing machine, mainly to meet the different requirements of surface finish of the heaters by heater factories. There are 1 - 8 groups buffing machines to choose. Polishing wheel is driven by motor high-speed rotation. The pressure wheel is driven by another motor through the reducer. The diameter can be adjusted conveniently, and the axis inclination of polishing wheel can meet the needs of different tube diameter.



GT-PG4
4 group buffing machine

★Main details

1. Diameter can adjust.
2. Speed can adjust.
3. Easy operation.



GT-PG8
8 group buffing machine

★Main models and technical parameters

model	diameter/length	Productivity 8H	power	size	weight
GT-PG 1-8 (group)	Φ4-Φ30mm; 300-6000mm;	8000m-9000m	380V/50Hz (1.1*8) Kw	800*900*900; 4800*1200*1100mm ;	300KG-3000KG

Resistance Wire Winding Equipment



GT-JY036
winding machine,
single wheel,
1-3 wires



GT-RS04
4 Wire Resistance
Winding Machine with
Double Wheels



GT-RS328
winding machine.
Single/double wheel,
1-2 wires



GT-RS368
resistance coil machine,
For straight coil



GT-RS368
resistance coil machine,
For coil with big in the middle,
small in both end

Resistance Wire Winding machine

★Description

Resistance wire winding machine, which is a machine to coil resistance wire into compact spiral coil. Put the original resistance wire rolls on the shaft rack which with a brake gear, guide the resistance wire to a precision rotating tool by the wire wheel, and coil and compact the wire on the mandrel by an adjustable speed rotary device.

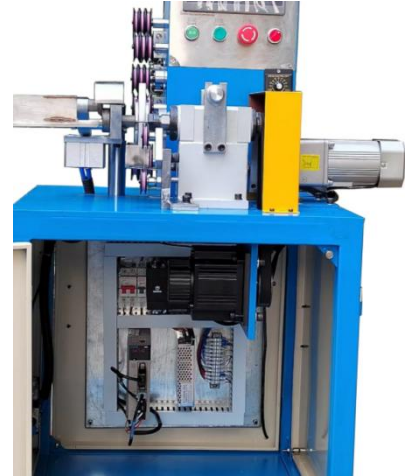
GT-JY036 winding machine is our new winding machine improved in 2023 year, machine with easy operation, with improved disconnection protection device, can set compensation resistor in touch screen easy, max store 10 different designs.

GT-JY036 winding machine can make with servo motor control, with ceramic rolling wheels, which coil quality resistance coil.

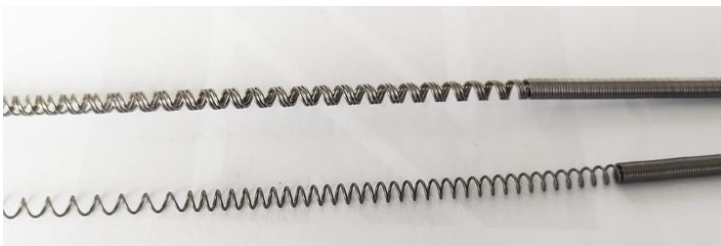
The difference between winding machine with PLC or without PLC: Machine with PLC control the length by encode and PLC touch screen PLC can record and control the number of spiral coils.

GT-RS368 winding coil machine with smooth end cut. If need to auto assemble resistance coil with terminal pin, this machine is recommend .

GT-RS04 4 Wire Resistance Winding Machine with Double Wheels is a customized wire winding machine which can coil 1-4 wires, with double pressing wheels.



Finished resistance coil by Resistance wire winding machines



Three/ single wire winding sample



Three resistance wire winding sample

Winding Machine With Tails



GT-DRS25 PLC
winding machine with tails



GT-DRS50 PLC
winding machine with tails

★Description

GT-DRS25 PLC and GT-DRS50 PLC winding machine with tails are special machine that automatically winding machine which keeps tails in both ends; The machine adopts PLC, touch screen and servo motor to control. With stable performance, and simple operation. It can automatic load the resistance wire - starting - winding - stopping - cutting and taking out the resistance wire.



★Main models and technical parameters

model	Recomend mandrel	wire diameter	length	power	air supply	size	weight
GT-DRS25PLC	2-3.5mm	Φ0.15-0.6mm	within 450mm or according to order	220V	0.6Mpa	1200*700*1500	ABOUT 150KG
GT-DRS50PLC	2-4mm	0.15-0.6mm	within 500mm or according to order	220V	0.6Mpa	1500*700*1400	ABOUT 150KG

Resistance Wire Winding Machine for MGO Rod or Mica Sheet Winding



GT-RS30
Wire Winding Machine

GT-DRS23N
Wire Winding machine

★Description

These machines mainly for resistance wire coil on MGO rod or mica sheets.

These machines can make with body frame, or without frame (machine need to put on table).

Machine can make without touch screen (refer GT-RS30), or with touch screen (refer GT-DRS23N).

GT-RS30 Wire Winding Machine

★Main details

1. without touch screen and without frame
2. with small size, easy operation.
3. The machine usually make in 300-500mm long.

GT-DRS23N Wire Winding Machine

★Main details

1. With PLC and touch screen, easy adjust.
2. Can set different pitch winding.
3. Machine with frame, friendly for users.
4. The machine usually make in 500mm long.



coil resistance wire on MGO rod.



coil resistance wire on mica sheet

Resistance Wire Winding Machine for Hot Runner Heater GT-DRS24PLC



GT-DRS24PLC
winding machine



GT-RXRLD20
winding machine

★Description

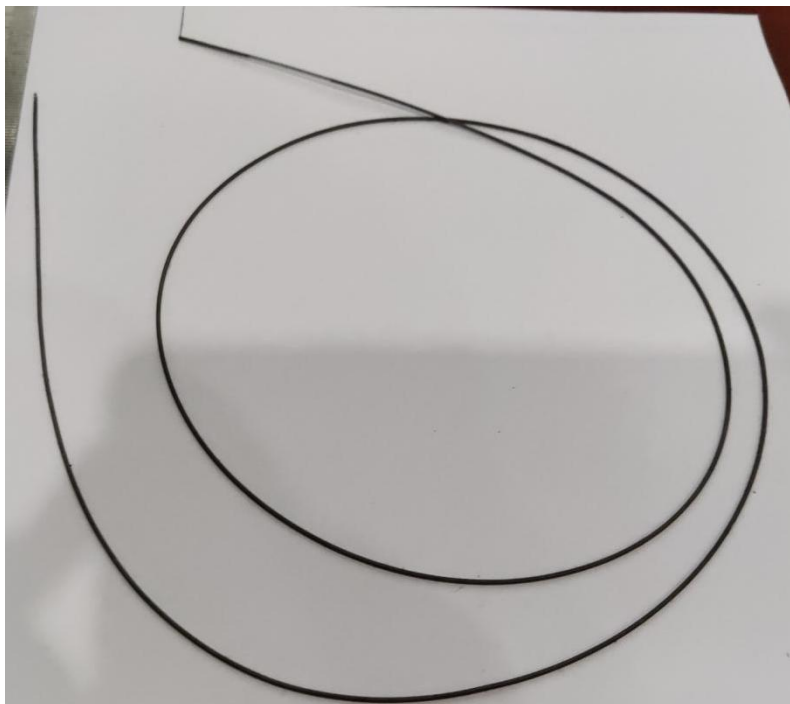
GT-DRS24PLC and GT-RXRLD20 winding machine are controlled by PLC and touch screen. It is a spiral wire spiral machine which is specially designed for the production of flat pipes for hot runner heaters. The diameter of the spiral coil is small, usually only 0.5mm or less, so it is difficult to operate on other winding equipment.

GT-RXRLD20 is improved machine in 2023 year, with easy operation, stable winding.

★Main details

1. Max length to coil: 2000mm;
2. Winding speed can adjust;
3. Suitable for small wire winding for hot runner heaters.

finished sample for GT-DRS24PLC and GT-RXRLD20 winding machine machine



Resistance Winding Machine for Mica Sheet GT-YMRS201

★Description

GT-YMRS201 Resistance Winding Machine is a winding machine for mica sheet. Mainly use for band heaters.

★Main details

1. Can coil round or flate wire.
2. Auto feed mica sheet, max in 1000mm;
3. Auto winding.
4. Power supply: single phase 220V, 50HZ.
5. Motor: 1KW.



GT-YMRS201
Resistance Winding Machine

Auto Wire Shrinking Machine

★Description

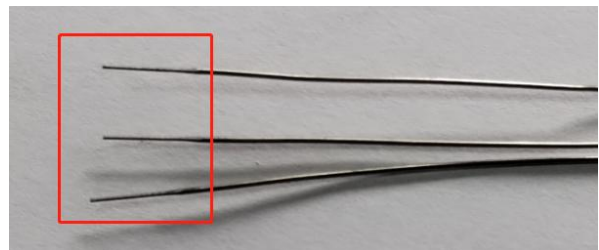
GT-WS201 Auto Wire Shrinking Machine use to make the resistance wire in smaller diameter. Mainly use for hot runner heaters resistance wire.

★Main details

1. Auto feed resistance wire.
2. Auto straight.
3. Auto cut.
4. Auto shrink smaller diameter.



GT-WS201
Auto Wire Shrinking Machine



Sealer Install Equipment



GT-YZJ201
Manual Sealer Install Machine

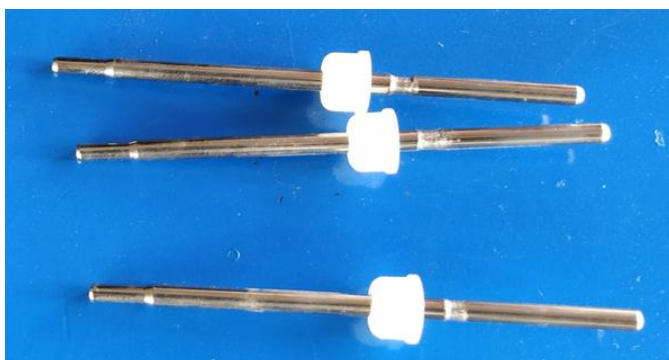


GT-YZJ203
Auto Sealer Install Machine

★Description

GT-YZJ201 manual sealer install machine, driven by cylinder, put the terminal pin and sealer in the groove, press the foot value or control by electrical button, terminal pin will be automatically install into the sealer. Load and unload the material are by manual. The machine is easy to operate, and high efficient.

GT-YZJ203 is auto sealer install machine. Put the sealer on the plate and terminal pins on the rack, sealer will be install on the pin one by one automatically.



★Main models and technical parameters

model	Touch screen	Pin length	Sealer size	Air supply
GT-YZJ201	no	According to order	One size according to order	5-8kg
GT-YZJ203	yes	45-80mm; According to order	One size according to order	5-8kg

Pin Coil Assemble Equipment



GT-NS203
Manual Pin Coil Assemble



GT-AS201 Auto Pin Coil
Assemble Machine

★Description

GT-NS203 Manual pin coil assemble machine use to assemble the terminal pin and resistance coil. With this machine, to assemble resistance coil with pins easy and fast.

GT-AS201 Auto pin coil assemble machine is a multi function pin coil machine, the machine auto assemble pin with coil, pin with plug, can add with weld function for pin with coil, with test. It is a auto heating element production line machine.



MGO Filling Equipment

MGO powder filling machine is to fill MGO powder inside the heater before reducing. According to different heaters, there are tubular heater filling machine, cartridge heater filling machine, hot runner heater filling machine among our factory.

Filling Machine GT-FM

(Double Guide Tubes 6-48 Station) Filling Machine GT-FMPLC



8 Station
Filling Machine



24 Station
Filling Machine



48 Station
Filling Machine

★Description

FM filling machine suitable for fill tubular heaters in long length, different diameter. The heaters fill by FM filling machines are in high density, which can up to 2.3g/cm³ depend to the diameter, MGO powder, filling speed. There are double guide tube filling machine and three guide tube filling machine in FM filling machine. FM filling machine can make in different length according to order (1000-8000mm). One time can fill 1-6 different diameters on one machine according to order.

★Main details

1. Filling station: 6-48 stations according to order and diameter.
2. Filling diameter: with one diameter on the machine according to order.
3. Filling length: 300-max length according to order.
4. Filling speed: 150-500mm / min adjustable.
5. Power supply: AC380V,50HZ.
6. Size of machine: 1700*1000mm*(max length*2+2000)mm (L*W*H)

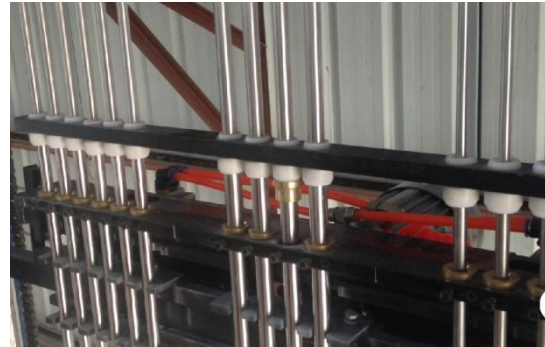
(Triple Guide Tubes 6-48 Station) Filling Machine GT-FMPLC



18 station filling machine
(8+2+8)



24 station filling machine
(3+9+9+3)



3 different diameters
on one filling machine
(according to order)

★**Description**

GT-FM-PLC (triple guide tubes in 6-48 station) MGO powder filling machine, is improved on the basis of GT-FMPLC (double guide tubes in 6-48 station).

The main difference of double guide tubes and triple guide tubes filling machines is as below:

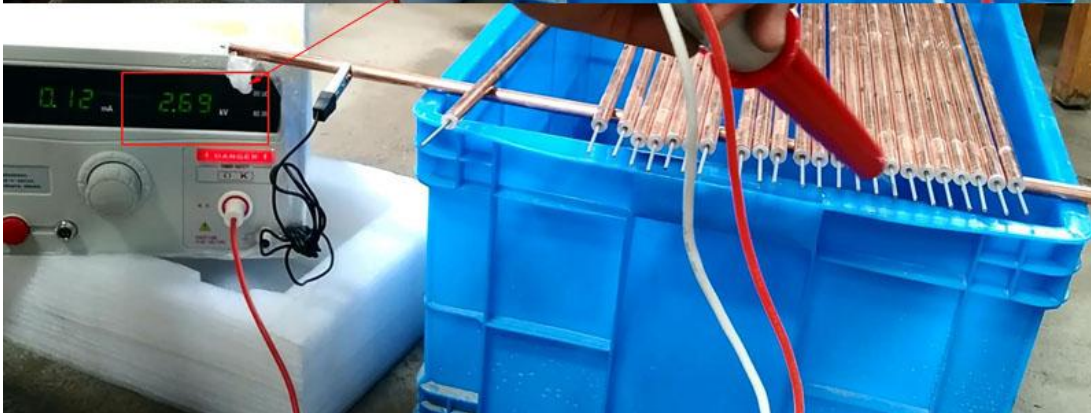
Three guide tubes filling machine can install different diameters on one machine.

If there are different diameters install on one machine, when fill the heater, user can choose the diameters need to fill, can fill one diameter, 2 diameters or more diameters together. Other diameters if do not need to fill, will not add MGO powder. It is a recommend filling machine for different diameters need to fill, or need to fill different diameters often, but not in bulk quantity.

★**Main details**

1. Filling station: 6-48 stations according to order and diameter.
2. Filling diameter: with 1-6 diameters on the machine according to order.
3. Filling length: 300-max length according to order.
4. Filling speed: 150-500mm / min adjustable.
5. Power supply: AC380V, 50HZ.
7. Size of machine: 1700*1000mm*(max length*2+2000)mm (L*W*H)

Finished heater fill by GT-FM filling machines



Double/Three Column Filling Machine GT-FMDO



GT-FMDO
Double Column Filling Machine



GT-FM
Three Column Filling Machine

★Description

GT-FMDO Double Column Filling Machine is a popular MGO filling machine among heater factories to fill tubular heaters.

★Main details

1. Moving (Rise or Down) by guiderail in the middle, stable during working;
2. operation in the middle of the machine, easy to operate;
3. length can be custom according to order;
4. stations: 12-24 station. (according to order)
5. shape to fill: round tube;
6. According to different length, can make in double/three column filling machine.

Single Guide Tube, GT-FMX-Type Aluminum Filling Machine



GT-FF24
Fast Filling Machine



GT-FMX
Aluminum Filling Machine

Fast Filling Machine GT-FF24

★Description

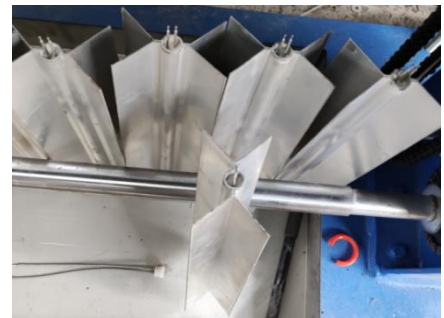
GT-FF24 type fast filling machine is a single-column、single-tube structure. The advantage of this machine is that the capacity of the magnesium powder in the catheter is large and the filling speed is relatively fast. It adopts a deceleration motor to drive the conduit mechanism to lift. At the same time, the machine adopts PLC touch screen + encoder control, and the filling set length is more accurate. The machine features: the filling speed is relatively fast, and can meet the short, large diameter heaters.

Aluminum Filling Machine GT-FMX-Type

★Description

GT-FMX-Type Aluminum Filling Machine also it's a "—" type aluminum tube filling machine. This is a new type filling machine. A specially designed model due to the different internal structure of the filled product.

The machine structure can satisfy the filled working-piece: one, two or three sets of heating wire element. It uses the special vibrator structure, make the products produced more satisfying customer requirements.



★Main models and technical parameters

model	diameter/length	control	vibration	power	size(H*L*W)	weight
GT-FF (24-36)	Φ8-Φ28.5mm 250mm-1000mm	PLC+touch screen	mechanical and electromagnetic	220V 50Hz/1.5- 2.0KW/0.6Mpa	(4500*1700* 1000mm)	800Kg- 1200Kg
GT-FMX-Type (6- 10)	Φ8-Φ18mm 300mm-2000mm	PLC+touch screen	mechanical and electromagnetic	380V /50Hz/500W/0. 6Mpa	5500*900*160 0mm	800Kg

Hot Runner Heater Filling Machine/ Industrial Heater Filling Machine



GT-BFJ12
Hot Runner Heater
Filling Machine



GT-DTF01
Cartridge heater
Filling Machine



GT-DTF03
Cartridge heater
Filling Machine

Hot Runner Heater Filling Machine GT-BFJ12

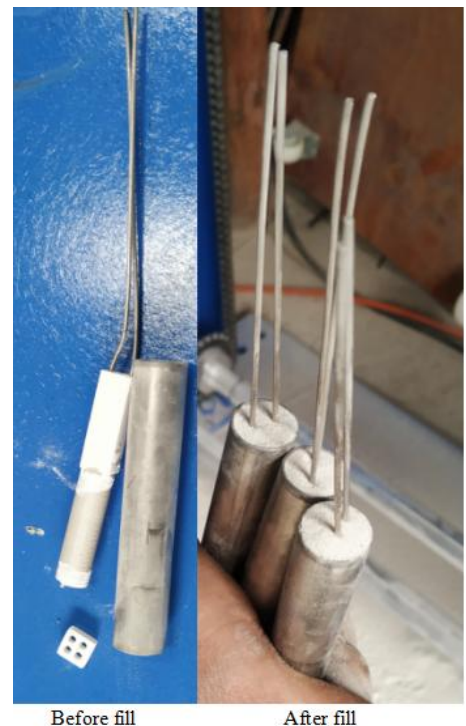
★Description

GT-BFJ12 Hot Runner Heater Filling Machine is designed for hot runner heaters or after fill MGO rod, it still need to fill MGO powder, which heating wire components and magnesium rod penetrate the empty tube, need to fill the MGO powder, increase the density of the tube to achieve the product requirements. Due to the special structure of the hot runner, the length is generally within the range of 150 mm to 2000 mm.

Cartridge Heater Filling Machine GT-DTF01/03

★Description

GT-DTF01/03(6-24) Industrial Heater Filling Machine, this machine is specially designed for cartridge heater.



Automatic Upper Plug Assembling Equipment

Automatic Upper Plug Assembling Machine GT-APA201



★Description

GT-APA201 automatic upper plug assembling machine, use to assemble upper heaters after filled. The machine can save labor cost. Length can be adjust. (Length recommend within 1 meter)

GT-APA201
Automatic Upper Plug Assembling Machine

★Main models and technical parameters

Model	diameter	length	control	Power supply	air supply
GT-APA201	According to order	Within 1 meter can be adjustable	With PLC and touch screen	Single phase 220V, 50HZ	0.6Mpa

Feeding Equipment

Auto Feeder Without Test / Auto Feeder With Test Machine

Auto feeding machine before reducing (without high voltage test and with high voltage test.)

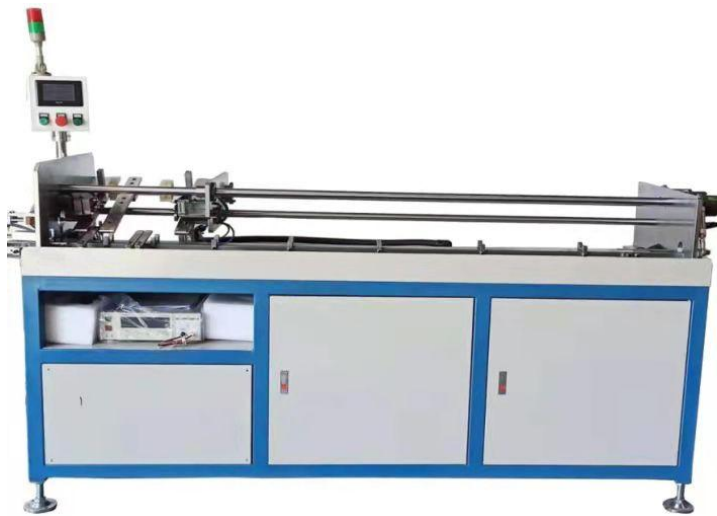
Auto high voltage test and resistance value test machine after reducing



GT-SL02
Auto Feeder(Without Test)



GT-SLC03
Auto Feeder With Test Feed by Chain



GT-SLC02
Auto Feeder with Test Feed by Belt

★Description

Auto feeder without test/with test usually match with shrinking machine to work.

The heaters will feed auto into shrinking machine to reduce.

Auto feeder with test will test hi-pot of heater before reduce. Qualified heater will auto feed to reduce, unqualified heaters will sorted separately.

Auto feeder machine can feed by chain or feed by belt. By belt is more stable, and less damage for surface of heater.

Heater Reducing Equipment

Simple Reducing Machine/Hammer Reducing Machine

Simple reducing machine / hammer reducing machine suitable for heaters not in bulk quantity, or with many different sizes.

Rolling Mill GT-DG250



GT-DG250
Rolling Machine

★Description

GT-DG250 rolling mill uses a pair of rolling assemble on the machine, and with some holes according to the requirement, rolling the pipes from large to small one by one hole (groove). It can produce circular pipes, square pipes, flat pipes, elliptical pipes in copper, iron, SS, aluminum etc .

★Main details

1. Reduce heater to increase density (for round heater or square heater);
2. Reduce heater by several holes, each hole reduce small range;
3. Specially designed for industrial heater reducing , hot runner heater reducing (recommend match with square heater swaging machine);
- 4 Easy operation, suitable for small quantity production;
5. For heaters not need in strict straightness or good surface;

Swaging Machine GT-SW01

★Description

GT-SW01 Swaging machine mainly for hot runner heater reducing. The machine suitable for small diameter round heater reducing.

★Main details

1. Reduce heater to increase density (for round heater);
2. Specially designed for hot runner or cartridge heater industrial heater reducing;
3. Easy operation and molds change easy, Suitable for small quantity and multi-diameters production;
4. One mold in 4 pcs, with good smooth and round finish;
4. Mold in 100mm long;
6. Small size in nice design.



GT-SW01
Swaging Machine

Square Rectangular Heater Swaging Machine



GT-SWS01
Swaging Machine



GT-SW28
Swaging Machine

★Description

Square/Rectangular heater swaging machine, specially for reducing square pipe, rectangular pipe. The mold is in four pieces, which install on the shaft. It is an ideal equipment to manufacture high density flat shape hot runner heaters.

GT-SWS01 swaging machine is the square/rectangular heater swaging machine after improved, with more stable, quality reduced.



Round Heater Swaging Machine GT-SW15/30



GT-SW15/30
Swaging Machine



★Description

GT-SW15/30 round tube hammer reducing machine is specially designed for industrial heating elements, which in small quantity, and many sizes. It can produce high density cartridge heaters and double end tubular heaters. It is easy and quick to change the molds.

★Main details

1. Reduce heater to increase density (for round heater);
2. 2. Specially designed for industrial heater reducing;
3. 3. Easy operation and molds change easy, Suitable for small quantity and multi-diameters production;
4. 4. One mold in 4 pcs, with good smooth and round finish;
5. 5. Small size in nice design.

End Shrink Swaging Machine GT-ESSM10



★Description

1. GT-ESSM10 End Shrink Swaging Machine use to shrink the end of teflon heater. By using end shrink swaging machine, heater do not need to glue and spend time for glue to be dry.

★Main details

- 1.Length of shrink can adjustable;
- 2.Change mold can change diameter of heater to shrink;
3. Recommend diameter of heater to shrink: 2.5-10mm.
4. Machine with small size, low noise, and easy adjustment.

GT-ESSM10
End Shrink Swaging Machine machine

Shrinking Machine

Shrinking machines suitable for heaters in bulk production, specially use in tubular heaters. There are 8-24 stations roller shrinking machine in Greater.

Shrinking Machines (8-18 stations) GT-JY styles



GT-JY8
8 station shrinking machine



GT-JY12
12 station shrinking machine



GT-JY16
16 station shrinking machine



GT-JY18
18 station shrinking machine

★Description

GT-JY Shrinking Machine (8-18 stations) is one popular tubular heater shrinking machine, with integrated cast iron casting bed. Because the rigidity and strength of the cast iron integral casting bed, so it is not easy to deform, which ensures stable use in future.

★Main details

1. Popular station in 12 stations, 16 stations, 18 station.
2. Gearbox can choose uniform speed, or un-uniform speed according to order;
3. Change rollers can reduce different diameters, rollers can choose steel rollers or tungsten carbide rollers.
4. Machine will auto stop if heater blocked.
5. Change molds, can reduce tubes in round, square, flat shapes.
6. Speed can shrink: 17.5 meters / min or according to order.
7. Cast iron as main body of the machine, more stable in long time use.
8. With dust remove device, can add with automatic oil drop cooling device.
9. Single motor can be customized in 0.75-1.5KW according to diameter and order.
10. Machine can be customized with CNC system to control.

Hot Runner Shrinking Machine GT-JYH12



GT-JYH12
Hot Runner shrinking machine

★Description

GT-JYH12 hot runner shrinking machine is a shrinking machine mainly for hot runner heaters, small size heaters shrinking.

★Main details

1. Diameter after shrink: $\Phi 1.2\text{-}\Phi 6\text{mm}$;
2. Max diameter before shrink: $\Phi 9\text{mm}$;
3. Min length to shrink: 80mm;
4. Station: 12 stations;
5. Machine can add with CNC system and with touch screen, which will get quality shrunk heaters, less power use, control speed. (For 2.5-1.8mm, recommend use with CNC system)
6. Size: about 1.2*0.85*1.1m
7. Weight: about 1500kg.



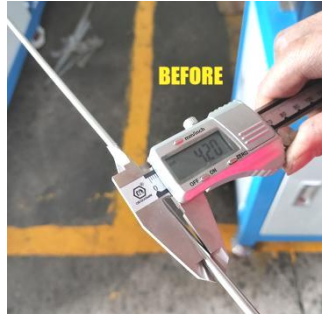
GT-JYH12
hot runner shrinking machine (CNC)

Empty Tube Shrinking Machine for Hot Runner Heater GT-ETSK201



★Description

GT-ETSK201 Empty Tube Shrinking Machine use to shrink round tube to oval shape for hot runner heaters, such as from 4.2mm to 3.7*4.6mm.



GT-ETSK201
Empty Tube Shrinking Machine for Hot Runner Heater

Cartridge Heater Shrinking Machine GT-JYC12



GT-JYC12
Cartridge Heater Shrinking Machine

★Description

GT-JYC12 cartridge heater shrinking machine is a shrinking machine mainly for short length cartridge heater shrinking.

★Main details

1. Diameter after shrink: $\Phi 3.0$ - $\Phi 10$ mm;
2. Max diameter before shrink: $\Phi 12$ mm;
3. Min length to shrink: 80mm;
4. Station: 12 stations;
5. Size: about 1.2*0.85*1.1m
6. Weight: about 1500kg.

CNC Shrinking Machine GT-JYCNC



★Description

GT-JYCNC CNC shrinking machine is one improved shrinking machine with PLC control and touch screen. The machine work with less power than other shrinking machine.

Speed can adjust according to different material heaters.

★Main details

1. Diameter after shrink: Φ 5- Φ 20mm according to order;
2. Station: 12 -18 stations;
3. Speed: uniform speed or un-uniform speed.

GT-JYCNC
CNC Shrinking Machine

Shrinking Machine with Large Rollers and Shafts GT-JY24

★Description

GGT-JY shrinking Machine with large rollers and shafts, mainly suitable for large diameter and long heating elements. The machine made of larger rollers and shafts, with whole cast iron casting bed as body of the machine, more stable use in future.

★Main details

1. Roller size: 120mm;
2. Max diameter before shrink: 40mm (according to order).
3. Minimum length before shrink: 120mm;
4. Station: 18 -24 stations;
5. Speed: uniform speed or un-uniform speed.



GT-JY24
shrinking machine with larger roller and
shafts
(Pic is 24 station)

Shrinking Machines GT-SG styles

★Description

GT-SG Shrinking machine is our another style shrinking machine, which made with SS plates as main body. The roll assemble can be divided from the body of machine.

This style machine mainly supply from 8-16 stations. According to different diameters, length and user's requirement, can choose machine without gearbox, small gearbox, normal gearbox.

Pics are some popular shrinking machines supplied before.

★Main details

1. Popular station in 12 stations, 16 stations, 8 stations.
2. Gearbox can choose uniform speed, or un-uniform speed according to order;
3. Change rollers can reduce different diameters, rollers can choose steel rollers or tungsten carbide rollers.
4. Roll assemble (had of shrinking machine) can changed easily.



GT-SGB1-12station



GT-SGB2-12station



GT-SGB2-16station

X Shape Heater Shrinking Machine GT-SMX01



GT-SMX01
X Shape Heater Shrinking Machine

★Description

GT-SMX01 X shape heater shrinking machine use to reduce X shape aluminum Convection Air Conditioner Heater.

★Main details

1. Suitable to reduce X shape heater;
2. Change rollers can shrink different size X shape heaters;
3. Size of heater after shrink: 14.5-18mm;
4. Max size before shrink: $\Phi 22\text{mm}$;
5. Min length to shrink: 120mm;
6. Shrink Speed: about 8 meters per min
7. When heater blocked, the machine will stop.

Flat Heater Shrinking Machine GT-JYF01

★Description

GGT-JYF01 flat heater shrinking machine use to shrink flat heaters, such as fryer heater, rail melting strip heater.

★Main details

1. Machine with CNC system, shrink quality heaters, easy operation.
2. Nice design with small size.



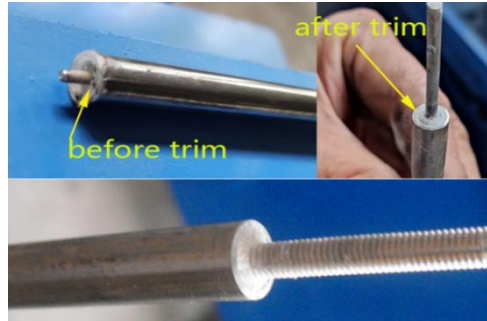
GT-JYF01
Flat Heater Shrinking Machine

Trimming , Dig Powder, Pin Cutting ,Pin Chamfering Equipment

Automatic Trimming Machine GT-CG30 PLC



GT-CG30 PLC
Automatic Trimming Machine



★Description

GT-CG30PLC automatic trimming machine is a high-efficiency equipment for tubular heaters. The machine trim both end of heater auto.

★Main details

1. Auto feeding material, auto centering;
2. Auto trimming, auto unload material;
3. With alarm indication;
4. Total output will calculate.
5. With PLC I/O monitoring;
6. Manually put heaters in bulk and take the finished trimmed heater, one person can take in charge of several machines;
7. With touch screen, easy operation;
8. Max length of heater to trim: depend on order in 1000mm, 1500mm,2000mm. 2500mm; Within the order length can be adjustable;

Auto Pin Cutting Machine



GT-CP025
Auto Pin Cutting Machine



★Description

GT-CP025 auto pin cutting machine use to cut both end of terminal pin for tubular heaters.

★Main details

1. Auto feed, auto cut pin, auto unload finished heater;
2. With touch screen, easy operation;
3. Max length of heater to trim: depend on order. Recommend length within 1000mm;
4. Diameter of heater to trim: according to order;

Semi-Auto Trimming Machine GT-CG30B



GT-CG30B
Semi-Auto Trimming Machine

★Description

GT-CG30B Semi-auto trimming machine is mainly for heaters that are difficult to operate on both sides. Such as long, large and curved tubular heaters are suitable. Suitable for pipes in copper, iron, stainless steel, aluminum material, etc.

★Main details

1. Semi-auto , easy operation;
2. Length of heater to trim: no limit;
3. To trim different diameter of heater, need to change mold;
4. Length to trim can be adjustable;
5. Machine with small size;

Cartridge Heater Trimming Machine GT-CTR202



GT-CTR202
Cartridge Heater Trimming Machine



★Description

GT-CTR202 Cartridge heater trimming machine is a trimming machine mainly for cartridge heaters. This machine improved with touch screen, work with screw. Machine with stable working.

★Main details

1. Manual load heater, auto trim, easy to run;
2. With touch screen, easy operation;
3. Trimmed dust will fall inside the collect box, less dust during working
4. Nice design, stable working;

MGO Powder Dig Machine

★Description

The machine is used to dig the extra magnesium powder at the ends of the heater. For next step for installation of insulating parts such as ceramic pc. There are manual dig powder and auto dig powder machine.



GT-WF201
Manual Dig Powder Machine



GT-WF202PLC
Automatic Dig Powder Machine

★Main models and technical parameters

model	Suitable diameter to turn	Length to trim	Power supply	Air supply	size
GT-WF202PLC	Round pipe within 6-10mm	300-1000mm (depend on order)	380V 50HZ 0.55KW*2	0.6Mpa	3200*800*1200
GT-WF201	Round pipe within 5-25mm	Any length	380V 50HZ 0.75KW	0.6Mpa	1200*800*1100

Auto Terminal Pin Chamfering GT-ZDJ203

★Description

GT-ZDJ203 Auto Terminal Pin Chamfering Machine use to chamfer both end of terminal pin auto after cut.

★Main details

1. Auto feed, auto chamfer pin, auto unload finished heater;
2. With touch screen, easy operation;
3. Max length of heater to trim: depend on order. Recommend length within 1000mm;
4. Diameter of heater: according to order;



GT-ZDJ203
Auto Terminal Pin Chamfering Machine

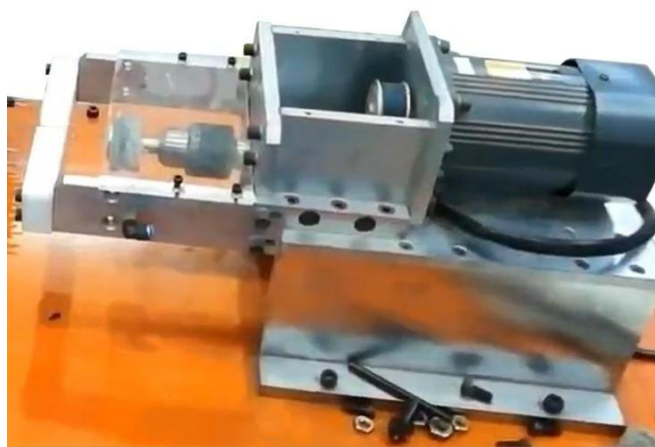
Terminal Pin Chamfering Machine GT-DJ202

★Description

GT-DJ202 terminal pin chamfering machine use to chamfer terminal pin for finished heater.

★Main details

1. Manual work, easy operation.
2. Mold adjust easy.
3. Machine with small size, less volume.

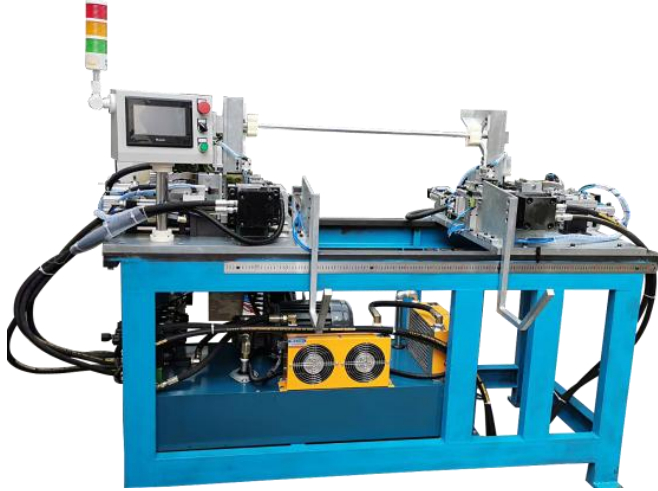


GT-DJ202
Terminal Pin Chamfering
Machine



Multi-function Equipment

Pull Plug + Cut Pin Machine GT-MF01



GT-MF01
Pull Plug + Cut Pin Machine

★Description

Multi-function machine is combine with different functions on one machine. For example, machine combine pull plug + cut pin, machine combine trim+cut pin, machine combine cut pin+ pin chamfering, machine combine stretching+cut pin;
To make sure machine maintain easy and with high efficiency, recommend machine with 2 functions on the machine.

★Main details

1. Max length of heater: 1000mm or according to order;
2. Diameter to process: according to order;
3. Function of the machine: 2 function according to order, such as pull plug+cut pin, trim+cut pin, cut pin+pin chamfering.
4. Auto feed material, auto unload.

Auto Resistance Value and Hi-pot Tester GT-TS204



GT-TS204
Auto Resistance Value
and Hipot Tester

★Description

GT-TS204 GT-TS204 auto resistance value and hipot tester is a machine test resistance value and hit-pot auto for heaters after reduced.

★Main details

1. Auto feed heaters to test, and auto unload tested heaters. Qualified heaters and un-qualified heaters will be sorted.
2. Can set target quantity to test and stop the machine.
3. Machine will stop auto if with fault.
4. Diameter to test: $\Phi 6$ - $\Phi 12$ mm (according to order)
5. Min length to test: 220mm;
6. Straightness after shrinking: straightness of 1:200mm;
7. Size: about 1.3*0.6*1m (for 1 meter machine)

Stretching Equipment



GT-LS201
Stretching Machine for Short Heaters



GT-LS202
Stretching Machine for Long Heaters

★Description

Stretching machine mainly for heaters not in same length after shrinking, and need to stretch to reach same length. The machine with hydraulic system, in stable stretching and high efficiency.

★Main details

1. For heaters shorter than 2 meters, machine can auto feed heaters, auto unload heaters (If longer than 2 meters, recommend manual load and unload heaters)
2. With PLC and touch screen, easy operation.
3. Length tolerance after stretching can reach $\pm 1\text{mm}$.
4. Machine will stop auto if out of material.
5. Machine with small size, less noise, easy adjustment.
6. Before stretching, length different of heater recommend no more than 15mm.

Annealing Equipment

Partial Anneal Machine



GT-TH203
Annealing Machine
(Without Cooling)



GT-TH202
Annealing Machine
(With Shower Cooling)



GT-ATH201
Auto Anneal Machine

★Description

Short-circuit annealing machine, mainly for anneal heaters which after reducing. After annealing, the heaters will become soft for next bending.

The machine uses a dry-type transformer, equipped with a pneumatic clamping mechanism to clamp the pipe on the electrodes at both ends, using a low-voltage, high-current to create short-circuit to heat and anneal with metal-shell.

The annealing machine with shower cooling will automatically spray and cool after annealed.

Auto Anneal machine is with load and unload tubular heaters to anneal automatically.

PS: These anneal machine only anneal part of heater, can not anneal the whole heater.

★Main details

1. Anneal length: 200mm to max length according to order;
2. Anneal diameter: $\Phi 6-16\text{mm}$ (need to change mold);
3. With 7-8 grade to adjust voltage according to diameter of heater and material;
4. Pneumatic clamping;
5. For auto anneal machine, heater auto feed to anneal, auto anneal, auto unload annealed heater

Automatic High Frequency Anneal Machine GT-TH204



GT-TH204 automatic high
frequency anneal machine

★Description

GT-TH204 automatic high frequency anneal machine suitable for annealing the pipes to make the pipe soft. The pipes are heated to a certain temperature through a high-frequency machine for annealing.

★Main details

1. Auto feeding, annealing speed can adjustable, easy to change size, easy maintain.
2. With PLC control, human and machine interface, easy operation.
3. High efficiency, low pollution, stable quality and safety.
4. When lack of material, machine will stop auto.
5. About 3-4 meters per min.
6. With small size, low noise, easy adjustment.

Heater Bending Equipment

90 Degree Auto Bending Machine GT-WGQD90



GT-WGQD90
90 Degree Auto Bending Machine



★Description

GT-WGQD90 degree auto bending machine auto bend 90 degree for heating elements. Suitable for tubular heater bend both leg in 90 degree.

★Main details

1. Auto feed heaters, auto bend, auto unload bend heaters.
2. Max length of heater to bend: within 500mm can be adjustable (according to order).
3. Diameter of heater: Φ 6- Φ 10mm according to order.
4. With touch screen, easy operation.

Helix Bending Machine For Hot Runner Heater GT-WGRLD



GT-WGRLD
Helix Bending Machine For Hot Runner Heater



★Description

GT-WGRLD Helix Bending Machine For Hot Runner Heater, is a bending machine to coil flat hot runner heater into helix shape. It is also applied to coil small round heaters.

★Main details

1. Mainly to bend coil heater.
2. Pitch, coil of quantity and speed can adjust.
3. With touch screen, easy operation.
4. Machine in small size, nice design.

Multi Function Bending Machine GT-WGMA202



GT-WGMA202
Multi Function Bending Machine



★Description

Multi function bending machine is semi-auto bending machine for tubular heater. This style machine can bend round circle heater, spiral heater according to order;

★Main details

- 1.Multi function bending machine, suitable to bend round heater, spiral heater according to order;
- 2.With touch screen, easy operation;
- 3.Pitch, speed can be adjustable;

Round Shape Bending Machine GT- WGYX203



GT- WGYX203
Round Shape Bending Machine



★Description

The round shape bending machine is bender mainly for round shape pipe bending. The machine can bent in half circle or one circle round shape. The production efficiency is high. After the leg of the heater finish and bend, it can bend about 5000 pcs / 8 H by skilled workers.

★Main details

1. Bend legs of heater first;
2. Manual put heater on the mold;
3. Machine will bend auto;
4. Machine with small size, easy operation.

Round Heater Bending Machine GT- WGYX201



GT- WGYX201
Round Heater Bending Machine



★Description

Round heater bending machine, mainly for bend round heater as pic.

U Type Hydraulic Pipe Bender GT- WGUX203



GT- WGUX203
U Type Hydraulic Pipe Bender



★Description

U type hydraulic heater bending machine, mainly for bend single U shape, or M shape, W shape heater.

Auto Multi U Shape Bending Machine GT-WGAMU201



GT-WGAMU201
Auto Multi U Shape Bending Machine



★Description

GT-WGAMU201 Auto Multi U Shape Bending Machine, mainly for bend Q shape, U shape, W shape heater. This machine is semi-auto bending machine.

Auto U Shape Bending Machine GT- WGAU203



GT- WGAU203
Auto U shape bending machine



★Description

Auto U shape bending machine suitable to one U shape heater bending after shrink.

★Main details

1. auto feed heater to bend, auto center, auto bend, auto unload bend heaters;
2. With touch screen, easy operation;
3. When out of material, machine will auto stop;
4. Small size, less noise, easy adjustment.

Multi-Angle Bending Machine GT- WGMA201



GT- WGMA201
Multi-Angle Bending Machine

★Description

Multi-Angle Bending Machine with 3 elbow, suitable to bend M SHAPE, U shape and square shape heaters. The machine with smooth, continuous, high control accuracy used in tubular heaters bending.

★Main details

1. power supply: 220V;
2. motor power: 5.1KW;
3. Air supply: clean compressed air 0.5-0.7MPa;
4. with touch screen and PLC control;
5. with 3 bending elbow;
6. max can store 20 designs;
7. for 6.6mm heater, can bend 3-4 pcs one time,;
8. for 8mm heater, can bed 1-2 pcs one time;
9. length to bend: 400-3000mm;



Welding Equipment

Pneumatic Pulse Spot Welding Machine



GT-DH105
Welding Machine



GT-DH106
Welding Machine

★Description

Pneumatic pulse spot welding machine, is a machine specially used for welding resistance wire and terminal pin (lead bar), lead bar and metal pcs. The machine is easy to operate. It is one of necessary machine for heater manufacturers. The two styles welding machine are similar.

Finished sample



Cap Welding Machine



GT-XHJ200
Welding Machine (Horizontal style)



GT-HJ201
Welding Machine (Vertical style)

★Description

Cap welding machine mainly use to weld the bottom of tube for cartridge heaters or hot runner heaters.

There are horizontal and vertical style. The vertical style are popular among heater factories since it with quality welding.

★Main details

1. Manual install material, auto weld, manual unload finished weld tube.
2. Length of tube to weld: no limit for horizontal style, 500mm for standarder vertical welding machine.
3. Vertical style with touch screen, easy to debug and use.
4. Machine in small size, easy operation.



Laser Welding Machine GT-LM202



GT-LM202
Laser Welding Machine



★Description

GT-LM202 Laser welding machine use to weld SS flange with SS heaters. Change mold, can also weld SS tubes bottom.

★Main details

1. Suitable for laser welding, such as weld SS flange with SS heaters, SS tube cap bottom welding.
2. Manual load material, or with manipulator work auto.
3. Auto welding.

Marking Equipment for Heater

Pneumatic Marking Machine GT-GZJ201



★Description

Mark character, number on the surface of heater in one line.

★Main details

1. Direction of character/number: in one line.
2. Character mold change easy.
3. Depth for marking can adjust.
4. Semi-auto machine, easy work.

GT-GZJ201
Pneumatic Marking Machine

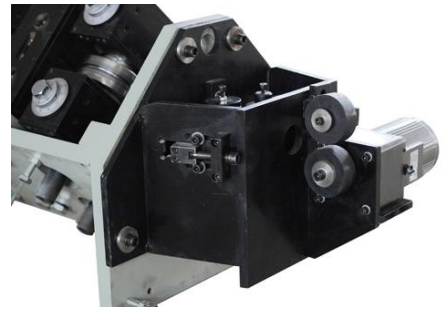
Roll Reducer Auto Marking Mechanism GT-GZJ203

★Description

Roll Reducer Auto Marking Mechanism is connected with the exit of the rolling shrinking machine.

The filled heater feed to reducing machine to reduce, and when arrive to the exit of the reducing machine, the pipe will mark character auto by the mechanism installed at the exit of the reducing machine.

The device mainly for heater and marking not need strict quality. And want to save labor cost for marking.



GT-GZJ203
Roll Reducer Auto Marking Mechanism

Laser Marking Machine GT-LM201

★Description

Laser marking on surface of the heater, with computer and software control, easy operation.



GT-LM201
Laser Marking Machine



Other Equipment

Crimping Machine GT-KYJ201



GT-KYJ201
Crimping Machine



★Description

GT-KYJ201 crimping machine is designed and manufactured according to the production of the heater, mainly for hot runner heater production.

Round Rolling Machine for Band Heater GT-JY202



★Description

GT-JY202 Round Rolling Machine use to roll SS fin for band heater. Max width of the machine is 500mm, diameter to coil can be adjustable, rolling speed can be adjustable.

★Main details

1. power: 3 phase 380V, 1100W;
2. speed can be adjustable;
3. max width of fin to coil: 500mm;
4. min diameter of coil: 100mm;
5. size: about 1100*550*1000mm;
6. weight: about 160kg;



GT-JY202
Round Rolling Machine

Pleating machine



GT-YB301
Pleating Machine



GT-YB302
Pleating Machine

Pleating machine use to press SS plate for round band heater. Machine with easy operation.

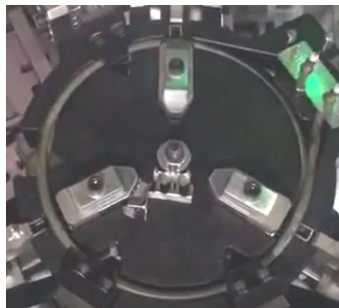
GT-YB301 pleating machine is horizontal type, while GT-YB302 is vertical.



Mounting Machine GT-MT201



GT-MT201
Mounting Machine



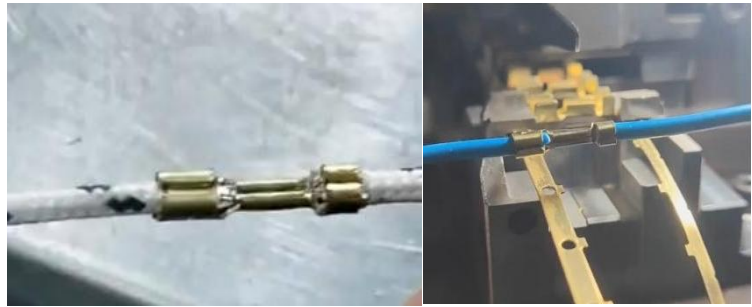
★Description

Mounting machine is used to riveting the metal pcs for the oven heater. With hydraulic as driver, riveting firmly.

Terminal Crimping Machine GT-TC201



GT-TC201
Terminal Crimping Machine



★Description

GT-TC201 Terminal Crimping Machine use to crimp terminal with wire cable, mainly for cartridge heater production.

★Main details

1. Small size nice design, with less noise when working;
2. Easy operation;
3. Press: 20KN
4. Motor power: 0.75KW
5. Power supply: 220V 50HZ
6. Travel: 30mm(can be custom-made for 40mm)
7. Dimension: 270*260*640mm
8. Weight: 50kg

Wire Cable Stripping Machine GT-CC201

★Description

GT-CC201 Wire Cable Stripping Machine use to cut and strip wire cable to shorter length. It mainly use for cartridge heater production.

★Main details

1. length to cut: 1-9999mm;
2. strip/peel length: before end 25mm, after end 25mm;
3. wire cable to cut: 0.1-4mm²;
4. power supply: single phase 220V, 50HZ;
5. size: about 420*380*270mm;
6. N.W.: about 27kg;



GT-CC201
Wire Cable Stripping Machine



Ultrasonic Cleaning Equipment



GT-CS01
Single Cleaning Machine

GT-CS03
Three Tanks Cleaning Machine



GT-CS05
Five Tanks Cleaning Machine

★Description

Ultrasonic cleaning equipment is mainly used to clean the raw materials of the heaters, such as resistance wire, pipes, terminal pins etc. If the raw materials of the heaters are not clean, it will let the quality of heaters not good. So if raw material of the heater must be clean.

There are one tank, two tanks, three tanks, four tanks and five tanks for ultrasonic cleaning equipment. There are different functions for each tank. More tanks, more function, better effect. Customers can customize according to the product. At present, five tanks is the largest cleaning equipment.

Cooling Fin Winding Equipment



GT-RP202PLC
Fin Winding Machine



★Description

GT-RP202PLC Fin Winding Machine use to wind metal fin into spiral coil shape for fin heaters.

★Main details

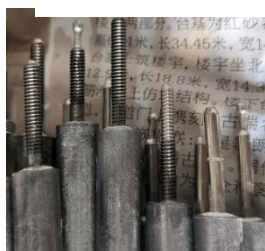
1. With PLC and touch screen, easy operation.
2. Winding speed can adjustable;
3. Pitch within rage can be adjustable;
4. Can coil different pitch;
5. Max length: 1000mm or according to order.
6. Width of fin to coil: 3-15mm according to order;
7. Thickness of fin to coil: 0.1-0.8mm according to order;
8. Inside diameter to coil: $\Phi 4$ - $\Phi 20$ mm according to order;
9. Change mold can coil different diameter/pitch coil fin;
10. Machine with rack for fin material, auto feed fin to coil;
11. Can set the target length to wind, when reach the target length, machine will stop auto.

Pin Equipment

Rolling Thread Machine GT-YBGY201



GT-YBGY201
Rolling Thread Machine



★Description

GT-YBGY201 Rolling Thread Machine is a machine to roll thread on the pin after reduced.

★Main details

1. Length of thread to roll can control by worker.
2. Manual operation, easy to run the machine.

Single Chamfering Machine GT-YBDJ201



GT-YBDJ201
Single Chamfering Machine



★Description

GT-YBDJ201 Single chamfering machine is a terminal pin production machine. The machine with auto feed material, auto chamfer one end of terminal pin.

★Main details

1. Auto feed pin, auto chamfer.
2. Angle of chamfer can be adjust.
3. Machine with small design, easy operation.

Automatic Grinding Machine GT-YBMG201

★Description

GT-YBMG201 Automatic grinding machine is a terminal pin production machine. The machine use to grind the neck of pin smaller, which use to hand on MGO powder filling machine.

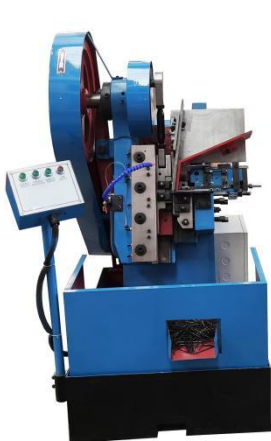
★Main details

1. Auto feed pin, auto grind.
2. Length to grind can be adjust.
3. Depth of grind can be adjust.



GT-YBMG201
Automatic Grinding Machine

Automatic Threading Machine GT-YBCY201



★Description

GT-YBCY201 Automatic Threading machine is a terminal pin production machine. The machine use to make thread on the pin.

★Main details

1. Auto feed pin, auto thread, auto unload finished pin.
2. Length of thread can be adjust.
3. Depth of thread can be adjust.

GT-YBCY201
Automatic Threading machine

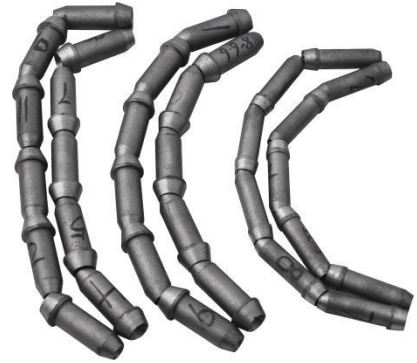
Machine Main Accessories



Steel roller for shrinking machine



Tungsten carbide roller for shrinking machine



Guide sleeve for shrinking machine



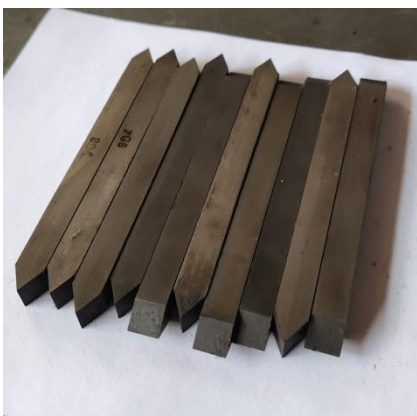
Wheel for wire winding machine



Mandrel for wire winding machine



Chuck for tube cutting machine



Blade for tube cutting machine



Chuck for tube cutting machine



Roller for Straightening machine

Machine Main Accessories



Polishing wheel for buffing machine



Polishing wheel for buffing machine



helix nozzle for filling machine



Guide tube for MGO filling machine



Guide tube for MGO filling machine



Mandrel for MGO filling machine



Hook for MGO filling machine



Blade for trimming machine



New blade for trimming Machine (not need to grind)

Machine Main Accessories



Dig tool for dig powder machine



Accessories for filling machine



Mold for swaging machine



Spacer for swaging machine



Molds for marking machine



Mold for trimming machine



Shafts for shrinking machine



surface bearing for shrinking machine



Metal pcs for filling machine

Heater Material



Different tubes for heating elements



SS caps for cartridge heaters



Resistance Wire



MGO rods (1-4 holes, 6holes, 8 holes)



Bottom MGO part for cartridge heaters



Top MGO part for cartridge heaters



High Temperature Cable



Terminal pcs



Ceramic pcs for heating elements

Heater Material



Plastic
sealers



Ceramic pcs for heating
elements



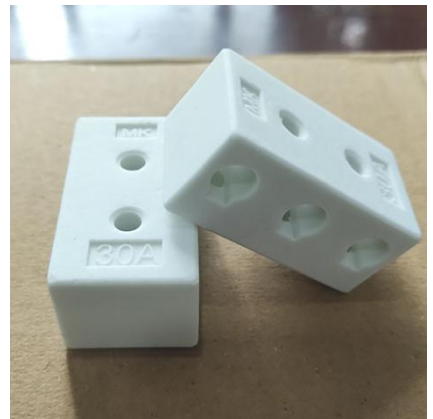
Ceramic pcs for heating
elements



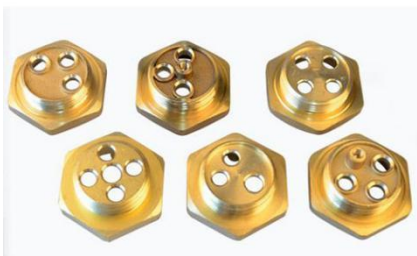
Ceramic sets for heating
elements



Ceramic ring for heating
elements



Ceramic terminal
block



Brass flanges for heating
elements



SS flanges for heating
elements



SS parts for heating
elements

Heater Material



Terminal pins for heating elements



187 tree shape crimp terminal metal pcs



250 crimp terminal metal pcs



Mica Sheet



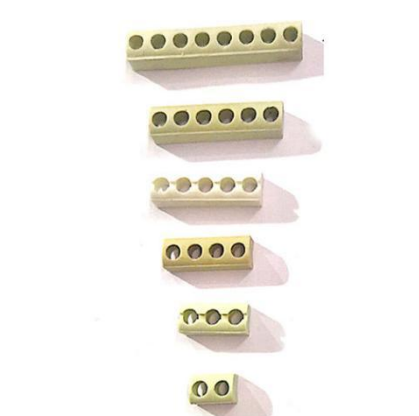
Metal rod
For ceramic heaters



Metal part
For ceramic heaters



8 holes ceramic bars for band heaters



2-8 holes ceramic bars for band heaters



Brass valve for water heaters